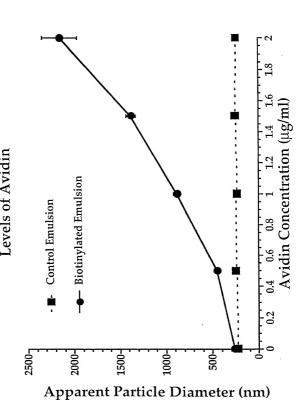
IG.1 Aggregate Particle Size Response of Control and Biotinylated Perfluorocarbon Emulsions to Titrated Levels of Avidin FIG. 1

The first wind will be the second of the sec



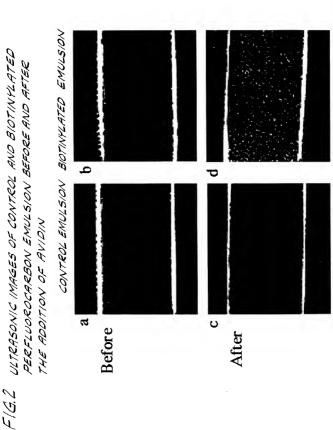
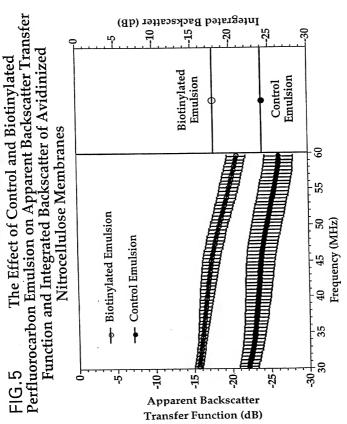


Figure 3. Graphic Illustration of Dialysis Tubing Images and Region of Interest Placement for Gray Scale Analysis

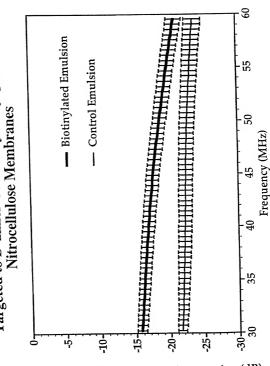


IG.4 Changes in Average Pixel Gray Scale Associated with the Addition of Avidin to Control or Post-avidin 0=Black; 255=White Control Emulsion Biotinylated Perfluorocarbon Emulsion Pre-avidin Post-avidin Biotinylated Emulsion Pre-avidin FIG.4 1001 8 9 40-20-Average Pixel Grayscale Level



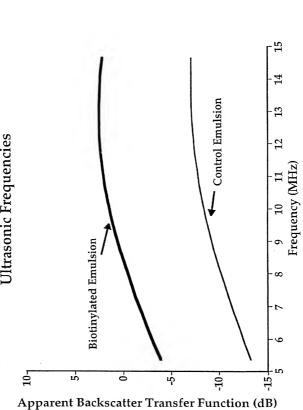


Apparent Backscatter Transfer Function of Biotinylated and Control Perfluorocarbon Emulsions Targeted to D-dimer Covalently Conjugated to FIG.6



Apparent Backscatter Transfer Function (dB)

FIG. 7 Apparent Backscatter Transfer Function (dB) of Biotinylated and Control Perfluorocarbon Emulsions at Low Ultrasonic Frequencies



Emulsions Targeted to Avidinized Nitrocellulose Membranes FIG. 8Apparent Backscatter Transfer Function ofBiotinylated and Control Perfluorocarbon Large Particle Size

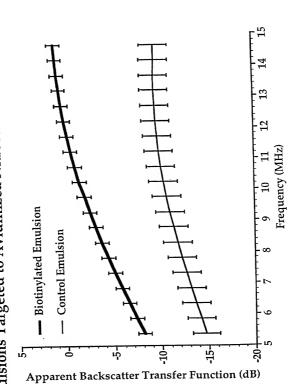
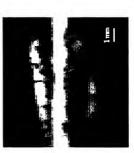


Figure 9. Ultrasonic Images (7.5 MHz) of Plasma Thrombi Pre-targeted with Antifibrin Monodonal Antibody and Exposed to Control or Biotinylated Perfluorocarbon Emulsion in Vitro

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Biotinylated Emulsion

Exposed to Control or Biotinylated Perfluorocarbon Émulsion Pre-targeted with Antifibrin Monoclonal Antibody and Average Pixel Grayscale of Plasma Thrombi FIG. 10

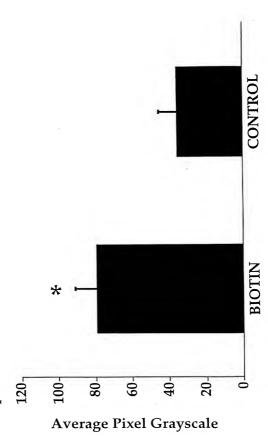


Figure 11. Femoral Artery Thrombus Acoustically Enhanced with Biotinylated Perfluorocarbon Emulsion In Vivo



Thrombus Before Targeted Biotinylated Contrast

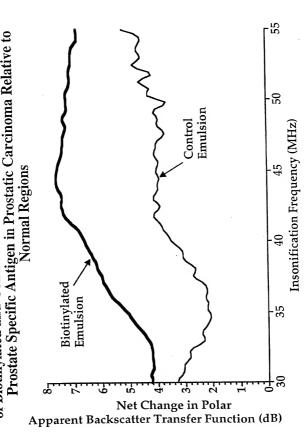


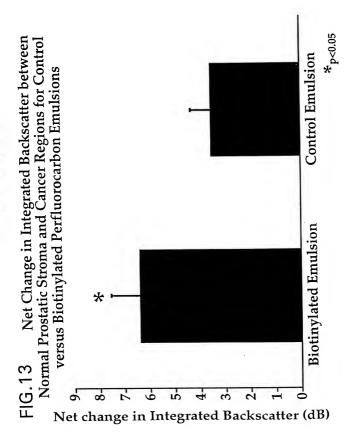
Thrombus After Targeted Biotinylated Contrast

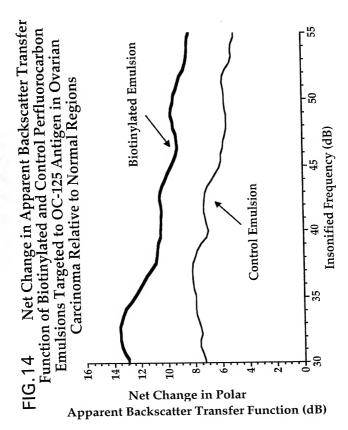
7.5 MHz Focused, Linear Phased Array Transducer Imaged with HP Sonos 2500

Key: a=electrical anode; f=femoral artery walls

G.12 Net Change in Apparent Backscatter Transfer Function of Biotinylated and Control Perfluorocarbon Emulsions Targeted to FIG. 12

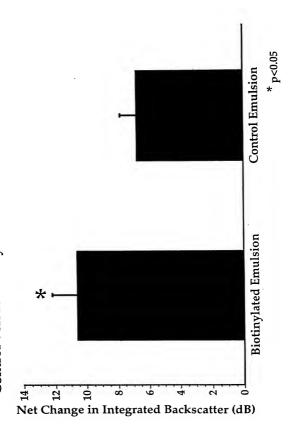






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FIG. 15 Net Change in Integrated Backscatter Between Normal Ovarian Tissue and Carcinoma Regions for Control versus Biotinylated Perfluorocarbon Emulsions

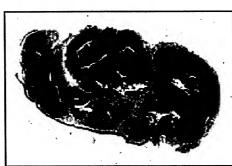


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Figure 16. Comparison of Ultrasonic and Optical Images of Tonsil Jsing Perfluorocarbon Contrast and Horseradish Peroxidase Targeted to Epithelium with Anticytokeratin Antibodies

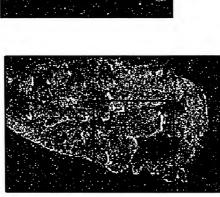


Peak Detected Image 100µm step size



Immunostained Tonsil

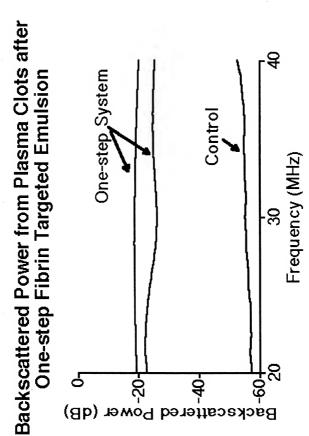
Figure 17. Peak Detected Ultrasonic Radiofrequency Images of Tonsil Epithelium Acoustically Enhanced with Anticytokeratin Antibody Targeted Perfluorocarbon Emulsion



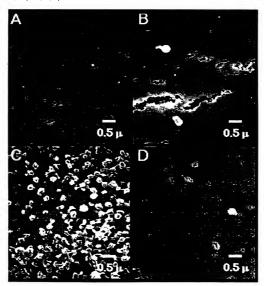
Zoom: 50µ step size



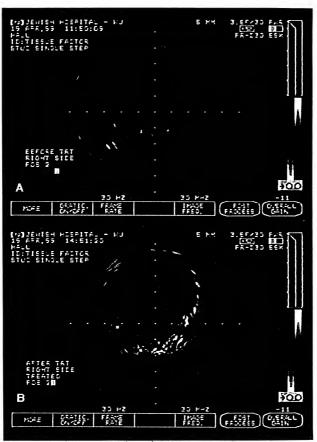
F/G/8



F1G.19



F1G.20



F1G.21

